

ERNEST ORLANDO LAWRENCE BERKELEY NATIONAL LABORATORY

Performance Evaluation for Modular Scalable Cooling Systems with Hot Aisle Containment in Data Centers

TengFang Xu

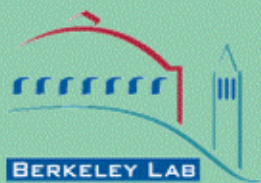
Environmental Energy Technologies Division

May 2009

The project was funded by the Industrial Section of the Public Interest Energy Research (PIER) Program of the California Energy Commission through the U.S. Department of Energy under Contract No. DE-AC02-05CH11231..

Disclaimer This document was prepared as an account of work sponsored by the United States Government and California Energy Commission. While this document is believed to contain correct information, neither the United States Government nor any agency thereof, nor California Energy Commission, nor The Regents of the University of California, nor any of their employees, makes any warranty, express or implied, or assumes any legal responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by its trade name, trademark, manufacturer, or otherwise, does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof, or The Regents of the University of California. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof or The Regents of the University of California.

Ernest Orlando Lawrence Berkeley National Laboratory is an equal opportunity employer.



**ERNEST ORLANDO LAWRENCE
BERKELEY NATIONAL LABORATORY**

Performance Evaluation for Modular Scalable Cooling Systems with Hot Aisle Containment in Data Centers

TengFang Xu

Environmental Energy Technologies Division

May 2009

The project was funded by the Industrial Section of the Public Interest Energy Research (PIER) Program of the California Energy Commission through the U.S. Department of Energy under Contract No. DE-AC02-05CH11231..

Disclaimer

This document was prepared as an account of work sponsored by the United States Government. While this document is believed to contain correct information, neither the United States Government nor any agency thereof, nor The Regents of the University of California, nor any of their employees, makes any warranty, express or implied, or assumes any legal responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by its trade name, trademark, manufacturer, or otherwise, does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof, or The Regents of the University of California. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof, or The Regents of the University of California.

Ernest Orlando Lawrence Berkeley National Laboratory is an equal opportunity employer.